

Desarrollo FrontEnd con JavaScript

s03 – Testing

Asegura calidad

Define funcionalidades

Testing

Menos tiempo de debugging

Detecta posibles nuevos bugs

Testing con Jasmine

<http://pivotal.github.io/jasmine/>

Jasmine

- Biblioteca con enfoque BDD: Behavior-Driven Development.
- Permite escribir casos de prueba legibles para el usuario no técnico.
- Matchers extensibles

```
describe("A suite", function() {  
    it("contains spec with an  
    expectation", function() {  
        expect(true).toBe(true);  
    });  
});
```


Jasmine

```
describe("Dom Library", function() {  
  var dom = new Dom();  
  
  describe("Element methods:", function() {  
    it("'get' gets a single element", function() {  
      var element = dom.get(".container");  
  
      expect(element).toBeDefined();  
      expect(element.className).toEqual("container");  
    });  
  });  
});
```

Jasmine – Custom Matchers

```
describe("Dom Library", function() {  
    var dom = new Dom();  
  
    beforeEach(function() {  
        this.addMatchers({  
            toBeAnInstanceOf: function(expected_function) {  
                return this.actual instanceof expected_function;  
            }  
        });  
    });  
});
```

Jasmine – Llamadas asíncronas

```
runs(function() {  
  xhr.addEventListener('load', function() {  
    results = xhr.responseText;  
    flag = true;  
  });  
  xhr.send();  
});
```

```
waitsFor(function() {  
  return flag;  
}, "'results' should be a string", 1500);
```

```
runs(function() {  
  expect(results).not.toBeNull();  
});
```